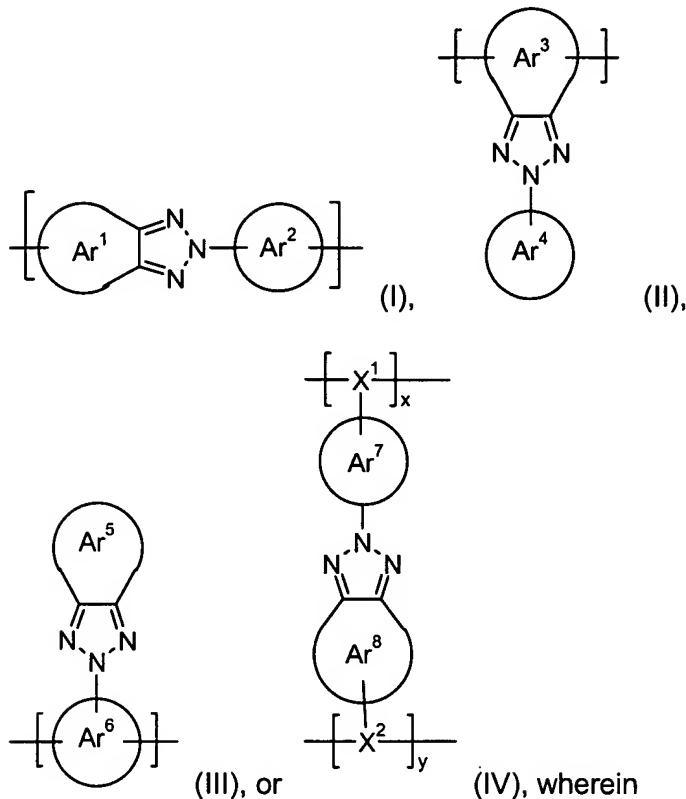


In the claims:

**1. (currently amended):** A polymer comprising a repeating unit of the formula

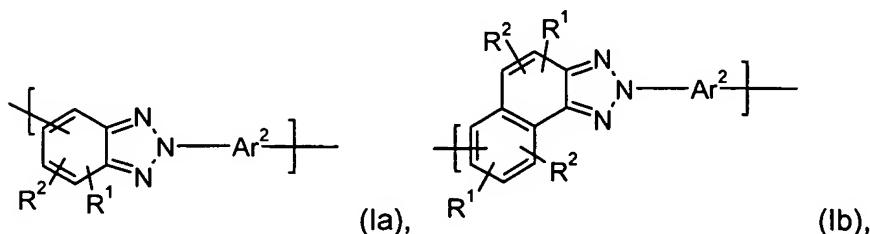


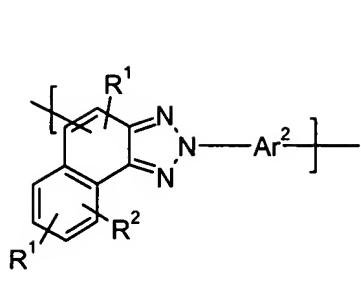
x and y are independently of each other 0 or 1,

X<sup>1</sup> and X<sup>2</sup> are independently of each other a divalent linking group,

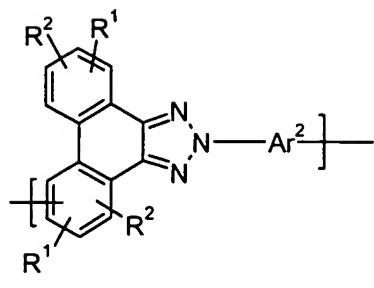
Ar<sup>1</sup>, Ar<sup>2</sup>, Ar<sup>3</sup>, Ar<sup>4</sup>, Ar<sup>5</sup>, Ar<sup>6</sup>, Ar<sup>7</sup> and Ar<sup>8</sup> are independently of each other an aryl group, or a heteroaryl group, which can optionally be substituted, ~~especially a C<sub>6</sub>-C<sub>30</sub>aryl group, or a C<sub>2</sub>-C<sub>26</sub>heteroaryl group, which can optionally be substituted.~~

**2. (currently amended):** A polymer according to claim 1, comprising a repeating unit of the formula





(Ic), or

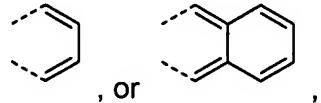


(Id),

wherein  $\text{Ar}^2$  is as defined in claim 1,

$\text{R}^1$  and  $\text{R}^2$  are independently of each other H, halogen,  $\text{SO}_3^-$ ,  $\text{C}_1\text{-C}_{18}\text{alkyl}$ ,  $\text{C}_1\text{-C}_{18}\text{alkyl}$  which is substituted by E and/or interrupted by D,  $\text{C}_1\text{-C}_{18}\text{perfluoroalkyl}$ ,  $\text{C}_6\text{-C}_{24}\text{aryl}$ ,  $\text{C}_6\text{-C}_{24}\text{aryl}$  which is substituted by G,  $\text{C}_2\text{-C}_{20}\text{heteroaryl}$ ,  $\text{C}_2\text{-C}_{20}\text{heteroaryl}$  which is substituted by G,  $\text{C}_2\text{-C}_{18}\text{alkenyl}$ ,  $\text{C}_2\text{-C}_{18}\text{alkynyl}$ ,  $\text{C}_1\text{-C}_{18}\text{alkoxy}$ ,  $\text{C}_1\text{-C}_{18}\text{alkoxy}$  which is substituted by E and/or interrupted by D,  $\text{C}_7\text{-C}_{25}\text{aralkyl}$ , or  $-\text{CO-R}^{28}$ ,

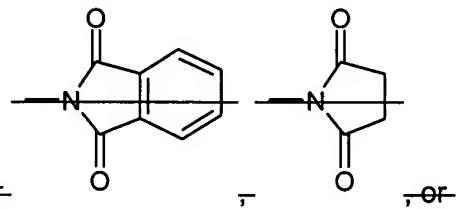
or two substituents  $\text{R}^1$  and  $\text{R}^2$ , which are adjacent to each other, are a group



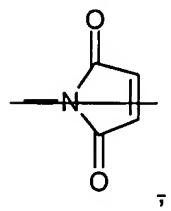
D is  $-\text{CO-}$ ;  $-\text{COO-}$ ;  $-\text{S-}$ ;  $-\text{SO-}$ ;  $-\text{SO}_2^-$ ;  $-\text{O-}$ ;  $-\text{NR}^{25-}$ ;  $-\text{SiR}^{30}\text{R}^{31-}$ ;  $-\text{POR}^{32-}$ ;  $-\text{CR}^{23}=\text{CR}^{24-}$ ; or  $-\text{C}\equiv\text{C-}$ ; and

E is  $-\text{OR}^{29}$ ;  $-\text{SR}^{29}$ ;  $-\text{NR}^{25}\text{R}^{26}$ ;  $-\text{COR}^{28}$ ;  $-\text{COOR}^{27}$ ;  $-\text{CONR}^{25}\text{R}^{26}$ ;  $-\text{CN}$ ;  $-\text{OCOOR}^{27}$ ; or halogen; G is E, or  $\text{C}_1\text{-C}_{18}\text{alkyl}$ , wherein

$\text{R}^{23}$ ,  $\text{R}^{24}$ ,  $\text{R}^{25}$  and  $\text{R}^{26}$  are independently of each other H;  $\text{C}_6\text{-C}_{18}\text{aryl}$ ;  $\text{C}_6\text{-C}_{18}\text{aryl}$  which is substituted by  $\text{C}_1\text{-C}_{18}\text{alkyl}$ , or  $\text{C}_1\text{-C}_{18}\text{alkoxy}$ ;  $\text{C}_1\text{-C}_{18}\text{alkyl}$ ; or  $\text{C}_1\text{-C}_{18}\text{alkyl}$  which is interrupted by  $-\text{O-}$ ; or



$\text{R}^{25}$  and  $\text{R}^{26}$  together form a five or six membered ring, in particular

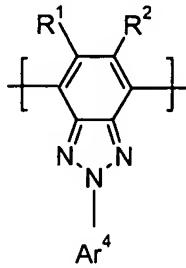


$\text{R}^{27}$  and  $\text{R}^{28}$  are independently of each other H;  $\text{C}_6\text{-C}_{18}\text{aryl}$ ;  $\text{C}_6\text{-C}_{18}\text{aryl}$  which is substituted by  $\text{C}_1\text{-C}_{18}\text{alkyl}$ , or  $\text{C}_1\text{-C}_{18}\text{alkoxy}$ ;  $\text{C}_1\text{-C}_{18}\text{alkyl}$ ; or  $\text{C}_1\text{-C}_{18}\text{alkyl}$  which is interrupted by  $-\text{O-}$ ,

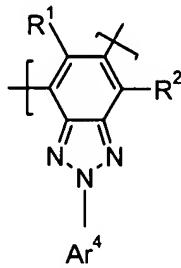
$\text{R}^{29}$  is H;  $\text{C}_6\text{-C}_{18}\text{aryl}$ ;  $\text{C}_6\text{-C}_{18}\text{aryl}$ , which is substituted by  $\text{C}_1\text{-C}_{18}\text{alkyl}$ , or  $\text{C}_1\text{-C}_{18}\text{alkoxy}$ ;  $\text{C}_1\text{-C}_{18}\text{alkyl}$ ; or  $\text{C}_1\text{-C}_{18}\text{alkyl}$  which is interrupted by  $-\text{O-}$ ,

$R^{30}$  and  $R^{31}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and  
 $R^{32}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl.

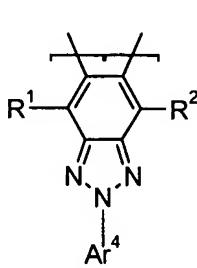
**3. (currently amended):** A polymer according to claim 1, comprising a repeating unit of the formula



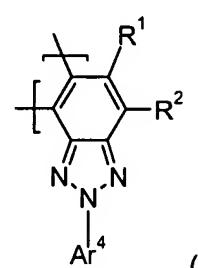
(IIa), especially



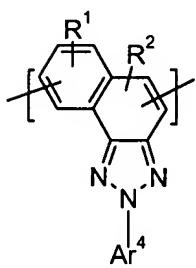
(IIb),



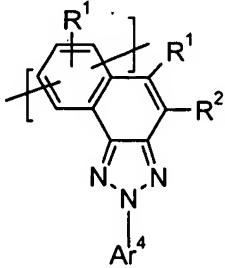
(IIc),



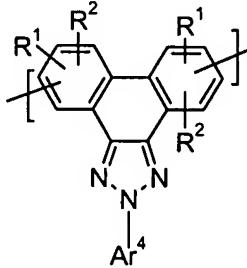
(IId),



(IIe),



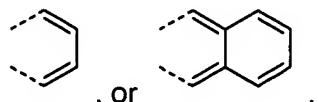
(IIf), or



(IIg),

wherein  $Ar^4$  is as defined in claim 1,

$R^1$  and  $R^2$  are independently of each other H, halogen,  $SO_3^-$ ,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_1$ - $C_{18}$ perfluoroalkyl,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D,  $C_7$ - $C_{25}$ aralkyl, or  $-CO-R^{28}$ ,

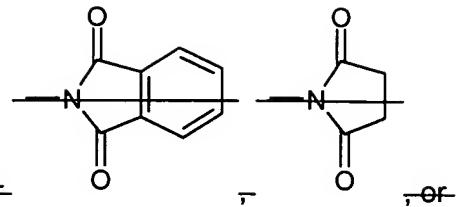


or two substituents  $R^1$  and  $R^2$ , which are adjacent to each other, are a group

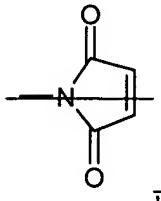
D is  $-CO-$ ;  $-COO-$ ;  $-S-$ ;  $-SO-$ ;  $-SO_2-$ ;  $-O-$ ;  $-NR^{25}-$ ;  $-SiR^{30}R^{31}-$ ;  $-POR^{32}-$ ;  $-CR^{23}=CR^{24}-$ ; or  $-C\equiv C-$ ; and

E is  $-OR^{29}$ ;  $-SR^{29}$ ;  $-NR^{25}R^{26}$ ;  $-COR^{28}$ ;  $-COOR^{27}$ ;  $-CONR^{25}R^{26}$ ;  $-CN$ ;  $-OCOOR^{27}$ ; or halogen; G is E, or  $C_1$ - $C_{18}$ alkyl, wherein

$R^{23}$ ,  $R^{24}$ ,  $R^{25}$  and  $R^{26}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ; or

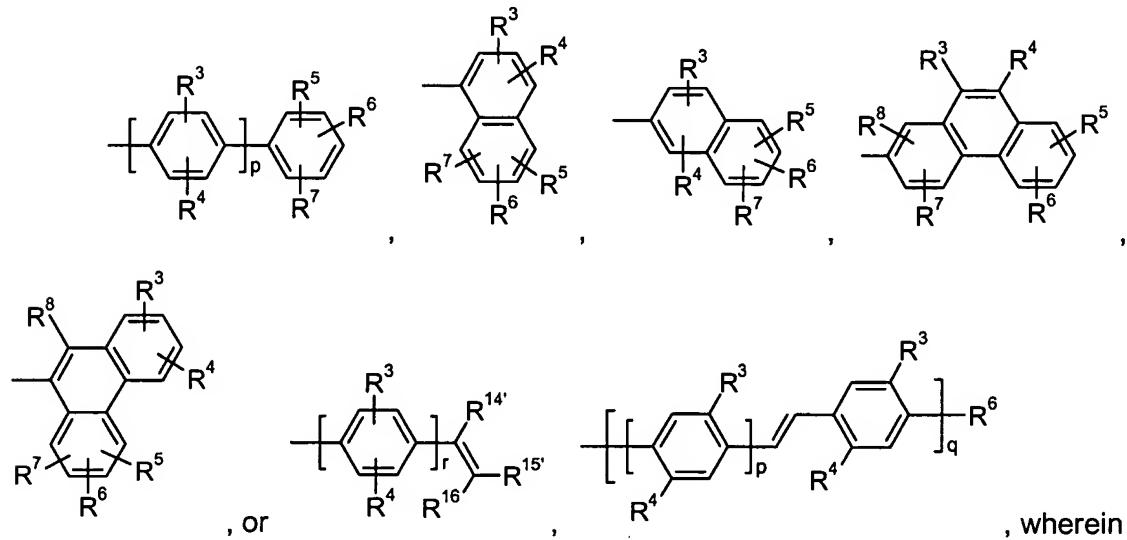


$R^{25}$  and  $R^{26}$  together form a five or six membered ring, ~~in particular~~



$R^{27}$  and  $R^{28}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,  $R^{29}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,  $R^{30}$  and  $R^{31}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and  $R^{32}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl.

**4. (currently amended):** A polymer according to claim 3, wherein  $Ar^4$  is a group of formula



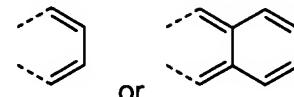
$p$  is an integer from 1 to 10, ~~especially 1, 2 or 3~~,

$q$  is an integer from 1 to 10, ~~especially 1, 2 or 3~~,

$r$  is an integer of 0 to 10, ~~in particular 0, 1, 2 or 3~~,

$R^3$  to  $R^8$  are independently of each other H, halogen,  $SO_3^-$ ,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ -

$C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D,  $C_7$ - $C_{25}$ aralkyl, or  $-CO-R^{28}$ , or

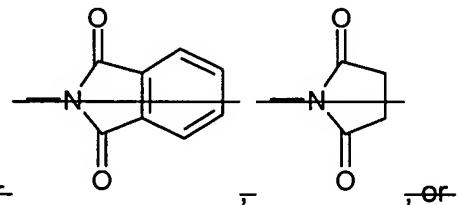


two substituents  $R^3$  to  $R^8$ , which are adjacent to each other, are a group , or , and  $R^{14}$  and  $R^{15}$  are independently of each other H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl, or  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,

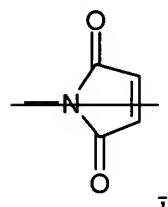
$R^{16}$  is  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl, which optionally can be substituted, wherein

D is  $-CO-$ ;  $-COO-$ ;  $-S-$ ;  $-SO-$ ;  $-SO_2-$ ;  $-O-$ ;  $-NR^{25}-$ ;  $-SiR^{30}R^{31}-$ ;  $-POR^{32}-$ ;  $-CR^{23}=CR^{24}-$ ; or  $-C\equiv C-$ ; and E is  $-OR^{29}$ ;  $-SR^{29}$ ;  $-NR^{25}R^{26}$ ;  $-COR^{28}$ ;  $-COOR^{27}$ ;  $-CONR^{25}R^{26}$ ;  $-CN$ ;  $-OCOOR^{27}$ ; or halogen; G is E, or  $C_1$ - $C_{18}$ alkyl, wherein

$R^{23}$ ,  $R^{24}$ ,  $R^{25}$  and  $R^{26}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ; or



$R^{25}$  and  $R^{26}$  together form a five or six membered ring, in particular



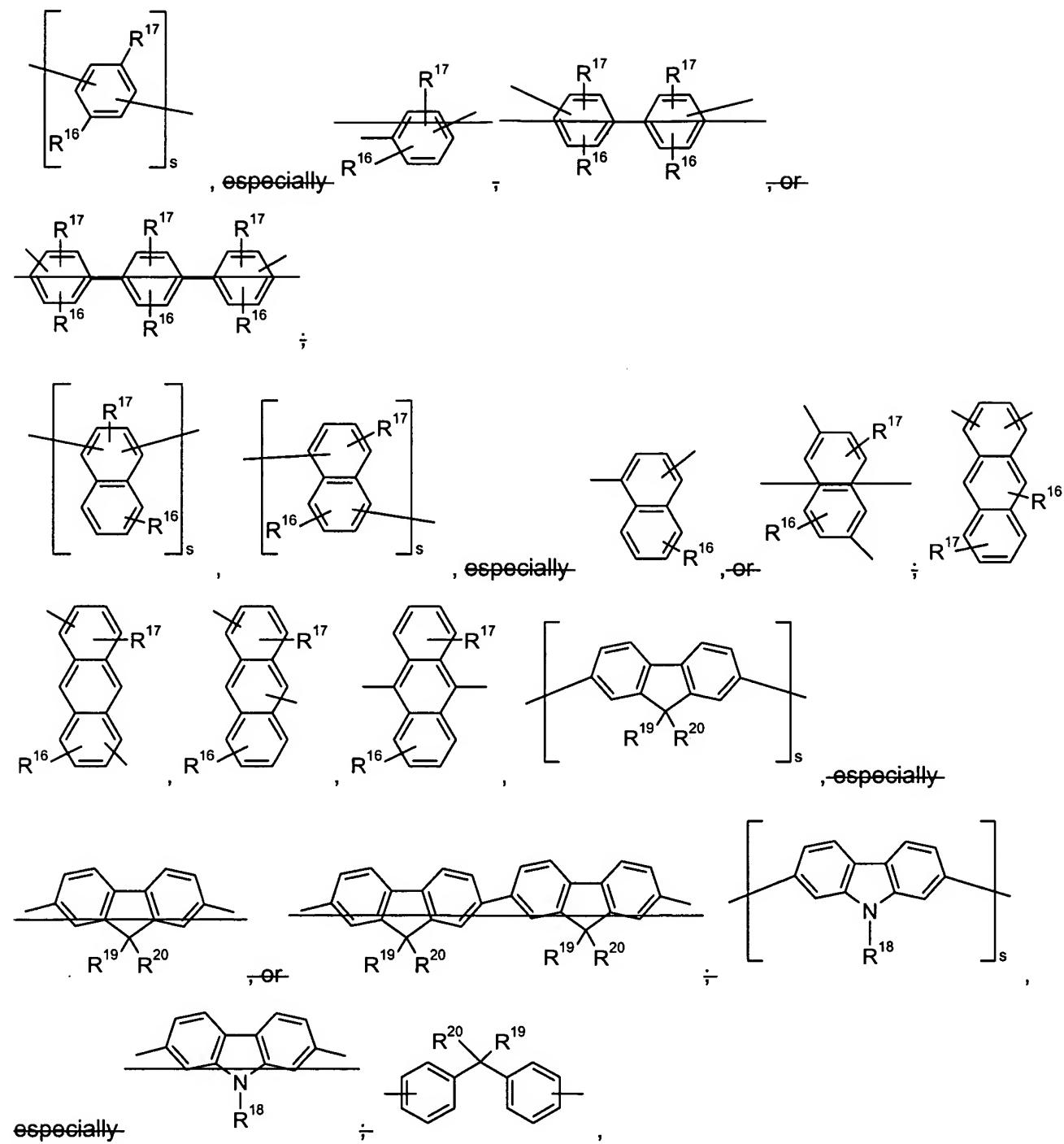
$R^{27}$  and  $R^{28}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

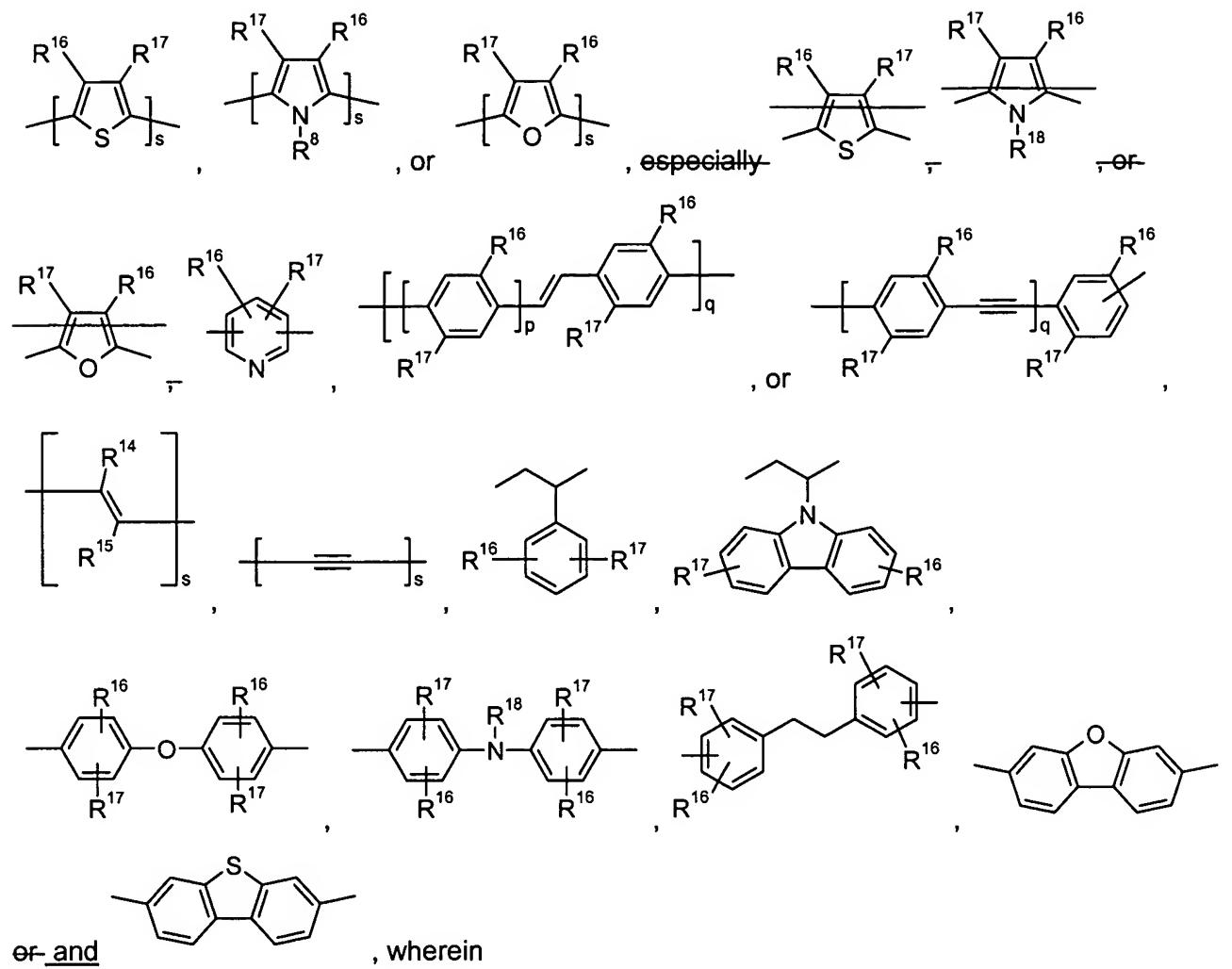
$R^{29}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{30}$  and  $R^{31}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and

$R^{32}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl.

**5. (currently amended):** A polymer according to any of claims 1 to 4 claim 1, comprising an additional repeating unit T which is selected from the group consisting of





$p$  is an integer from 1 to 10, ~~especially 1, 2 or 3,~~

~~q is an integer from 1 to 10, especially 1, 2 or 3,~~

s is an integer from 1 to 10, especially 1, 2 or 3,

$R^{14}$  and  $R^{15}$  are independently of each other H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G, or  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,

$R^{16}$  and  $R^{17}$  are independently of each other H,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl, or  $C_2$ - $C_{20}$ heteroaryl which is substituted by G,  $C_2$ - $C_{18}$ alkenyl,  $C_2$ - $C_{18}$ alkynyl,  $C_1$ - $C_{18}$ alkoxy,  $C_1$ - $C_{18}$ alkoxy which is substituted by E and/or interrupted by D,  $C_7$ - $C_{25}$ aralkyl, or  $-CO-R^{28}$ ,

$R^{18}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ;

$R^{19}$  and  $R^{20}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D,  $C_6$ - $C_{24}$ aryl,  $C_6$ - $C_{24}$ aryl which is substituted by G,  $C_2$ - $C_{20}$ heteroaryl,  $C_2$ - $C_{20}$ heteroaryl

which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, or C<sub>7</sub>-C<sub>25</sub>aralkyl, or

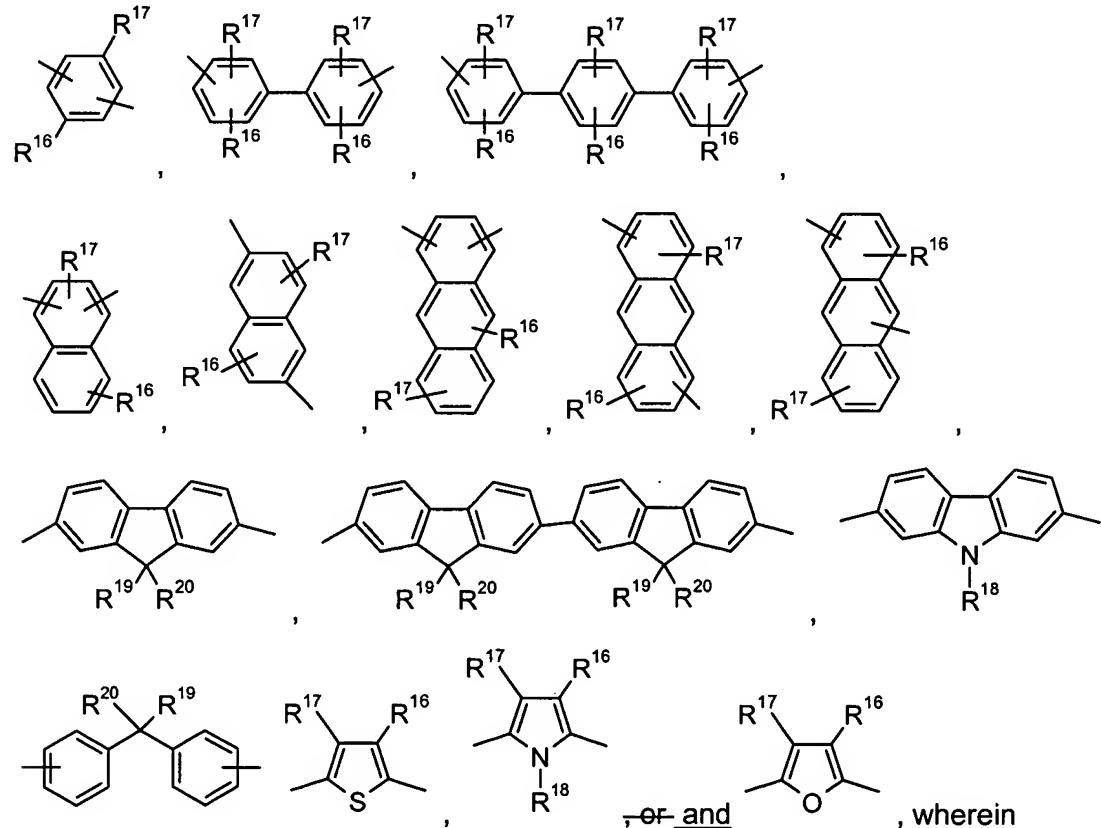
R<sup>19</sup> and R<sup>20</sup> together form a group of formula =CR<sup>100</sup>R<sup>101</sup>, wherein

R<sup>100</sup> and R<sup>101</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, or C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, or

R<sup>19</sup> and R<sup>20</sup> form a ring, ~~especially a five or six membered ring~~, which can optionally be substituted, and

D, E and G are as defined in claim 2.

**6. (currently amended):** A polymer according to claim 5, wherein T is selected from the group consisting of

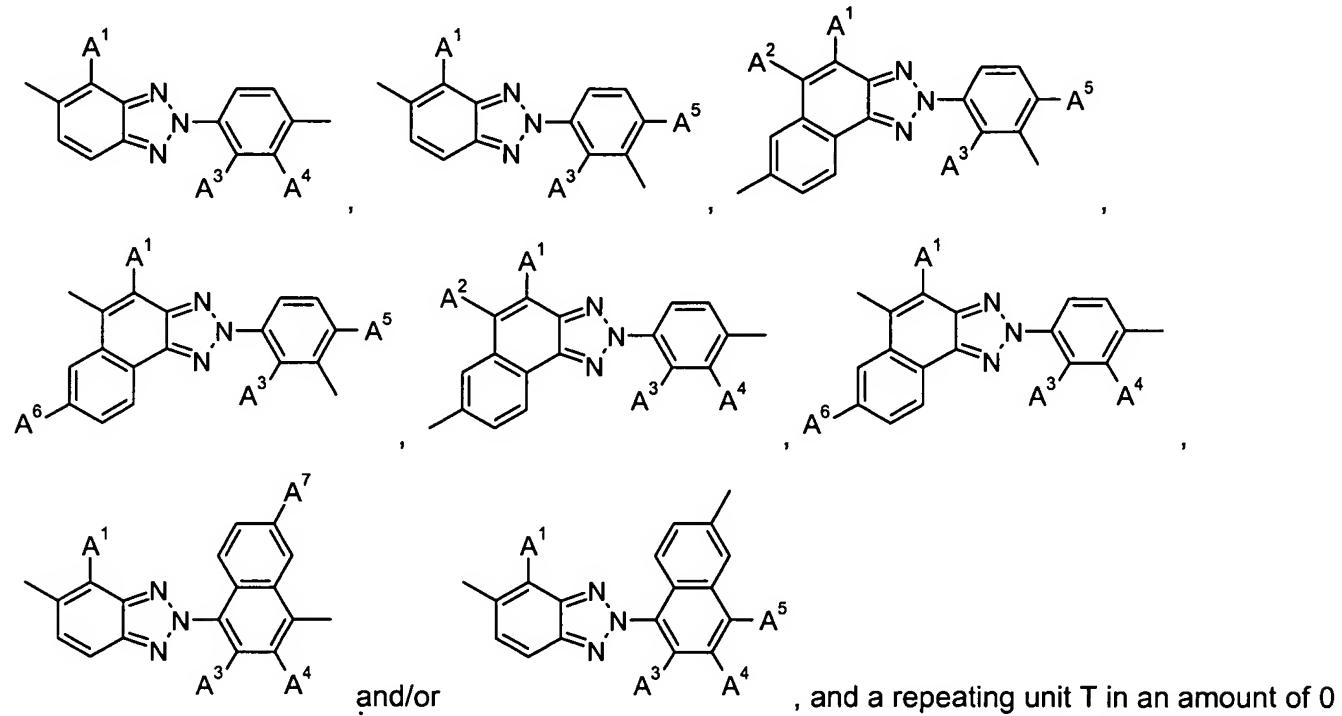


R<sup>18</sup> is C<sub>1</sub>-C<sub>18</sub>alkyl, and

R<sup>19</sup> and R<sup>20</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, especially C<sub>4</sub>-C<sub>12</sub>alkyl, which can be interrupted by one or two oxygen atoms, or

R<sup>19</sup> and R<sup>20</sup> form a five or six membered carbocyclic ring, which optionally can be substituted by C<sub>1</sub>-C<sub>4</sub>alkyl.

7. (currently amended): A polymer according to any of claims 1 to 6 claim 1, comprising a repeating unit of the formula



to 99.5 mol%, especially in an amount of 40 to 80 mol%, wherein the sum of the repeating unit(s) and the co-monomer is 100 mol%, wherein

$A^1$  is hydrogen, or  $C_1$ - $C_{18}$ alkyl,

$A^2$  is hydrogen, or  $C_1$ - $C_{18}$ alkyl,

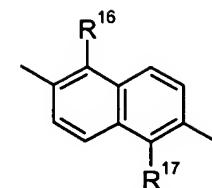
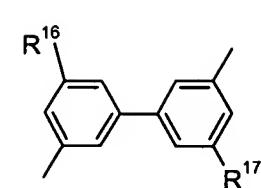
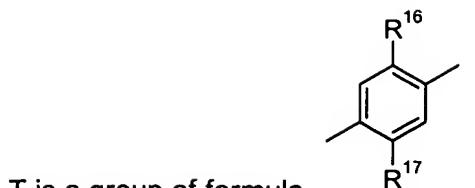
$A^3$  is hydrogen, or  $C_1$ - $C_{18}$ alkoxy, or  $C_1$ - $C_{18}$ alkyl,

$A^4$  is hydrogen, or  $C_1$ - $C_{18}$ alkyl,

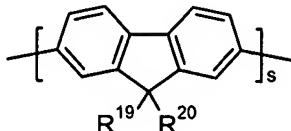
$A^5$  is hydrogen,  $C_1$ - $C_{18}$ alkyl, di( $C_1$ - $C_{18}$ alkyl)amino, or  $C_1$ - $C_{18}$ alkoxy,

$A^6$  is hydrogen, or  $C_1$ - $C_{18}$ alkyl,

$A^7$  is hydrogen,  $C_1$ - $C_{18}$ alkyl or  $C_1$ - $C_{18}$ alkoxy, and

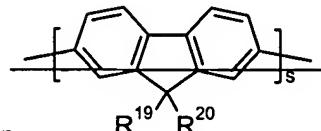


T is a group of formula



or

, wherein s is one or two, or

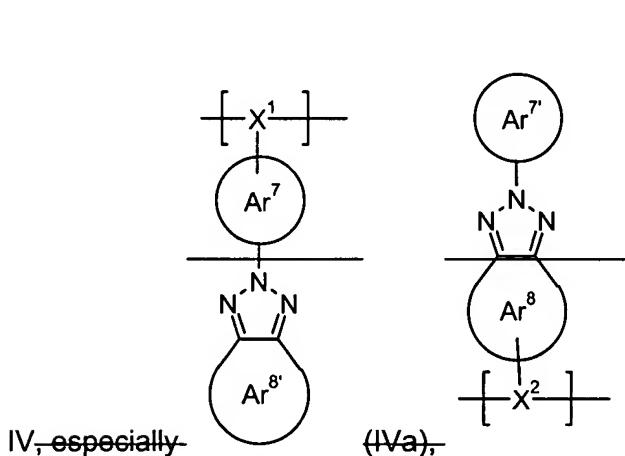


, wherein s is one or

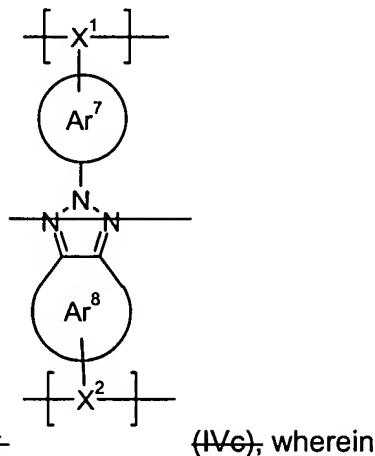
two,  
R<sup>16</sup> and R<sup>17</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, especially C<sub>4</sub>-C<sub>12</sub>alkyl, especially hexyl, heptyl, 2-ethylhexyl, and octyl, which can be interrupted by one or two oxygen atoms, C<sub>1</sub>-C<sub>18</sub>alkoxy, especially C<sub>4</sub>-C<sub>12</sub>alkoxy, especially hexyloxy, heptyloxy, 2-ethylhexyloxy, and octyloxy, which can be interrupted by one or two oxygen atoms

and R<sup>19</sup> and R<sup>20</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, especially C<sub>4</sub>-C<sub>12</sub>alkyl, especially hexyl, heptyl, 2-ethylhexyl, and octyl, which can be interrupted by one or two oxygen atoms.

**8. (currently amended):** A polymer according to claim 1, comprising a repeating unit of the formula



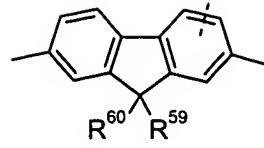
(IVa),



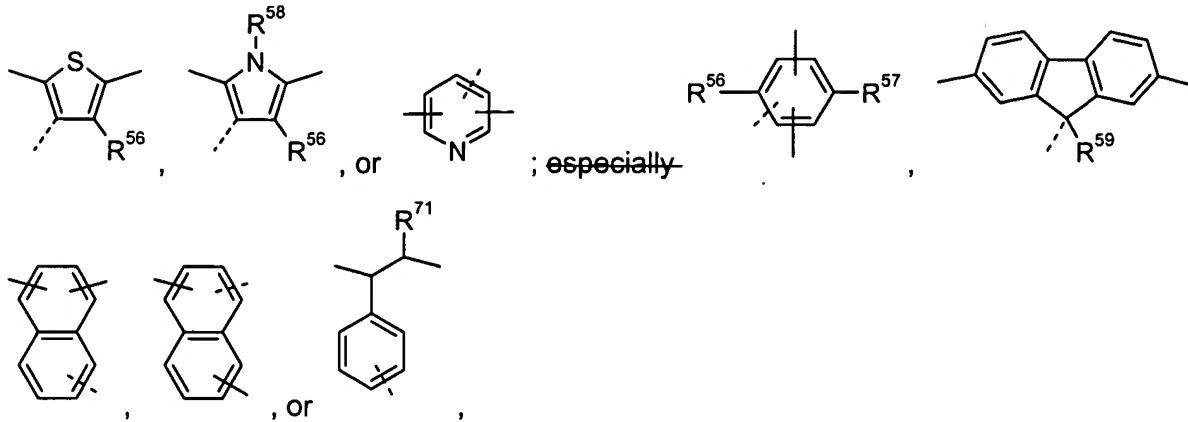
(IVb), or

(IVc), wherein

Ar<sup>7</sup>, Ar<sup>7'</sup>, Ar<sup>8</sup> and Ar<sup>8'</sup> are independently of each other a C<sub>6</sub>-C<sub>30</sub>aryl group, or a C<sub>2</sub>-C<sub>26</sub>heteroaryl group, which can optionally be substituted,



X<sup>1</sup> and X<sup>2</sup> are independently of each other a group of the formula



wherein the dotted line represent the bond to the benzotriazole unit,

R<sup>56</sup> and R<sup>57</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, or C<sub>7</sub>-C<sub>25</sub>aralkyl,

R<sup>58</sup> is H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, or C<sub>7</sub>-C<sub>25</sub>aralkyl,

R<sup>59</sup> and R<sup>60</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub> alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, or C<sub>7</sub>-C<sub>25</sub>aralkyl, or

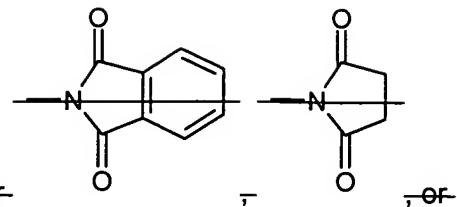
R<sup>59</sup> and R<sup>60</sup> form a ring, ~~especially a five- or six-membered ring~~, which can optionally be substituted,

R<sup>71</sup> is H, C<sub>1</sub>-C<sub>18</sub>alkyl, -C≡N, -CONR<sup>25</sup>R<sup>26</sup> or -COOR<sup>27</sup>,

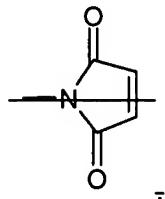
D is -CO-; -COO-; -OCOO-; -S-; -SO-; -SO<sub>2</sub>-; -O-; -NR<sup>25</sup>-; -SiR<sup>30</sup>R<sup>31</sup>-; -POR<sup>32</sup>-; -CR<sup>23</sup>=CR<sup>24</sup>-; or -C≡C-; and

E is -OR<sup>29</sup>; -SR<sup>29</sup>; -NR<sup>25</sup>R<sup>26</sup>; -COR<sup>28</sup>; -COOR<sup>27</sup>; -CONR<sup>25</sup>R<sup>26</sup>; -CN; -OCOOR<sup>27</sup>; or halogen; G is E, or C<sub>1</sub>-C<sub>18</sub>alkyl, wherein

R<sup>23</sup>, R<sup>24</sup>, R<sup>25</sup> and R<sup>26</sup> are independently of each other H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-; or



$R^{25}$  and  $R^{26}$  together form a five or six membered ring, in particular



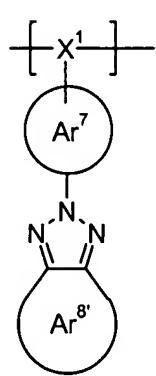
$R^{27}$  and  $R^{28}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ , and

$R^{29}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

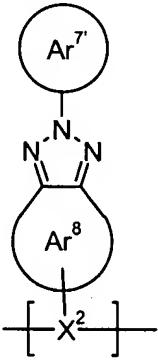
$R^{30}$  and  $R^{31}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and

$R^{32}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl.

**9. (currently amended):** A polymer according to claim 8, comprising a repeating unit of the formula

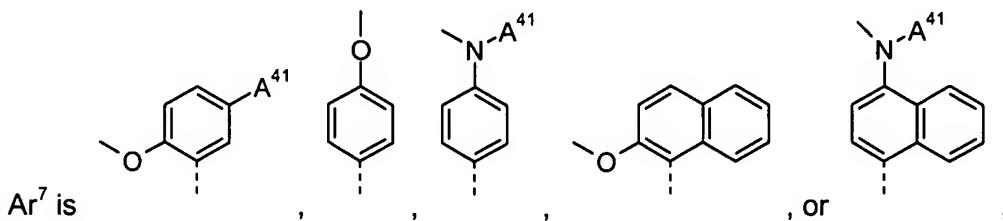


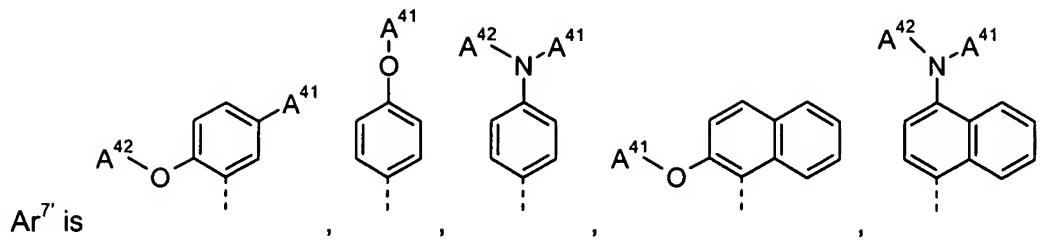
(IVa), and/or



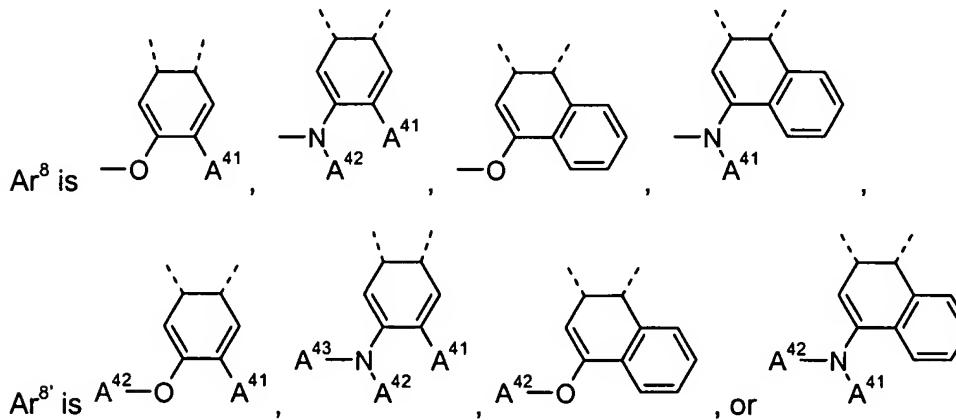
(IVb), and a repeating unit T in an amount of 0 to 99.5 mol%,

~~especially in an amount of 40 to 80 mol%,~~ wherein the sum of the repeating unit(s) and the co-monomer is 100 mol%, wherein





wherein the dotted line is the bond to the nitrogen atom of the benzotriazole unit,

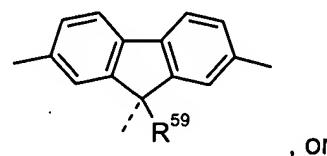


wherein the dotted lines are the bonds to the nitrogen atoms of the benzotriazole unit,

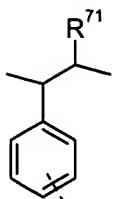
$\text{A}^{41}$  is hydrogen,  $\text{C}_1\text{-C}_{18}$ alkoxy, or  $\text{C}_1\text{-C}_{18}$ alkyl, such as methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl, sec-butyl, t-butyl, 2-methylbutyl, n-pentyl, isopentyl, n-hexyl, 2-ethylhexyl, or n-heptyl,

$\text{A}^{42}$  is hydrogen, or  $\text{C}_1\text{-C}_{18}$ alkyl, such as methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl, sec-butyl, t-butyl, 2-methylbutyl, n-pentyl, isopentyl, n-hexyl, 2-ethylhexyl, or n-heptyl,

$\text{A}^{43}$  is hydrogen, or  $\text{C}_1\text{-C}_{18}$ alkyl, such as methyl, ethyl, n-propyl, iso-propyl, n-butyl, isobutyl, sec-butyl, t-butyl, 2-methylbutyl, n-pentyl, isopentyl, n-hexyl, 2-ethylhexyl, or n-heptyl,



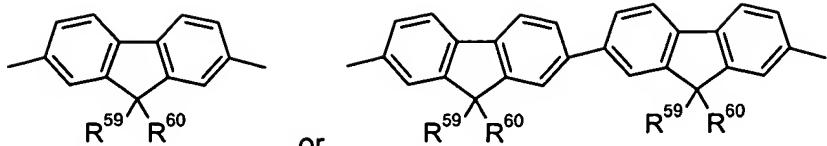
$\text{X}^1$  and  $\text{X}^2$  are independently of each other a group of the formula



, wherein the dotted line represent the bond to the benzotriazole unit,

$\text{R}^{71}$  is H,  $\text{C}_1\text{-C}_{18}$ alkyl,  $-\text{C}\equiv\text{N}$ , or  $-\text{COOR}^{27}$ , wherein

$\text{R}^{27}$  is H; or  $\text{C}_1\text{-C}_{18}$ alkyl, which can be interrupted by one or more oxygen atoms, especially  $\text{C}_4\text{-C}_{12}$ alkyl, which can be interrupted by one or two oxygen atoms, and



T is a group of formula  $\text{R}^{59}\text{R}^{60}$ , or  $\text{R}^{59}\text{R}^{60}\text{CH}_2\text{R}^{59}\text{R}^{60}$ , wherein  $\text{R}^{59}$  and  $\text{R}^{60}$  are independently of each other  $\text{C}_1\text{-C}_{18}$ alkyl, especially  $\text{C}_4\text{-C}_{12}$ alkyl, which can be interrupted by one or two oxygen atoms.

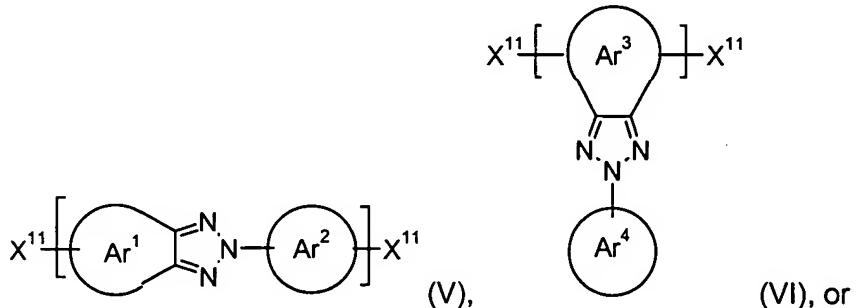
**10. (currently amended):** An optical device or a component therefore, comprising a substrate and a polymer according to ~~any of claims 1 to 9~~ claim 1.

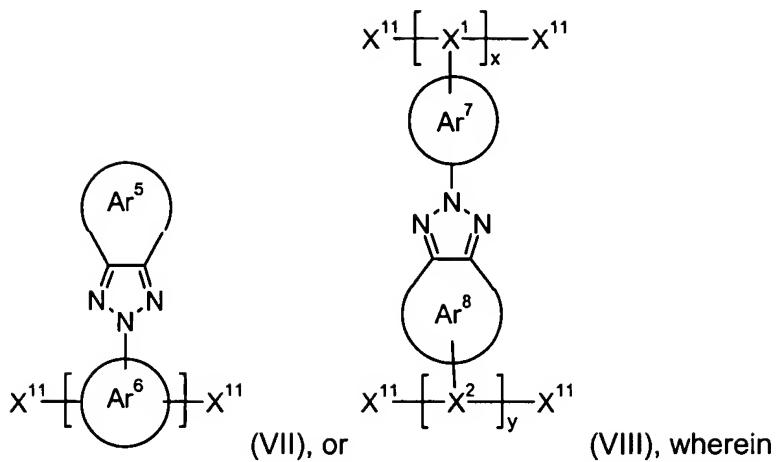
**11. (original):** An optical device according to claim 10, wherein the optical device comprises an electroluminescent device.

**12. (currently amended):** An optical device according to claim 11, wherein the electroluminescent device comprises

- (a) a reflective or transmissive anode
- (b) a reflective or transmissive cathode
- (c) an emissive layer comprising a polymer according to ~~any of claims 1 to 9~~ claim 1 located between the electrodes, and optionally
- (d) a charge injecting layer for injecting positive charge carriers, and
- (e) a charge injecting layer for injecting negative charge carriers.

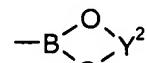
**13. (currently amended):** A monomer of the formula





x and y are 0 or 1,

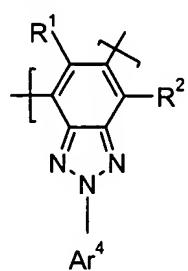
$\text{Ar}^1$ ,  $\text{Ar}^2$ ,  $\text{Ar}^3$ ,  $\text{Ar}^4$ ,  $\text{Ar}^5$ ,  $\text{Ar}^6$ ,  $\text{Ar}^7$  and  $\text{Ar}^8$  are independently of each other an aryl group, or a heteroaryl group, which optionally can be substituted, especially a  $\text{C}_6\text{--C}_{30}$  aryl group, or a  $\text{C}_2\text{--C}_{26}$  heteroaryl group, which can optionally be substituted, and



$X^{11}$  is independently in each occurrence a halogen atom, or  $-B(OH)_2$ ,  $-B(OY^1)_2$  or  $-C(CH_3)_2CH_2C(CH_3)_2$ , wherein  $O$ ,  $Y^1$  is independently in each occurrence a  $C_1$ - $C_{10}$ alkyl group and  $Y^2$  is independently in each occurrence a  $C_2$ - $C_{10}$ alkylene group, such as  $CY^3Y^4CY^5Y^6$ , or  $CY^7Y^8CY^9Y^{10}CY^{11}Y^{12}$ , wherein  $Y^3$ ,  $Y^4$ ,  $Y^5$ ,  $Y^6$ ,  $Y^7$ ,  $Y^8$ ,  $Y^9$ ,  $Y^{10}$ ,  $Y^{11}$  and  $Y^{12}$  are independently of each other hydrogen, or a which may be substituted by one or more  $C_1$ - $C_{10}$ alkyl groups, especially  $-C(CH_3)_2C(CH_3)_2$ , or  $-C(CH_3)_2CH_2C(CH_3)_2$ .

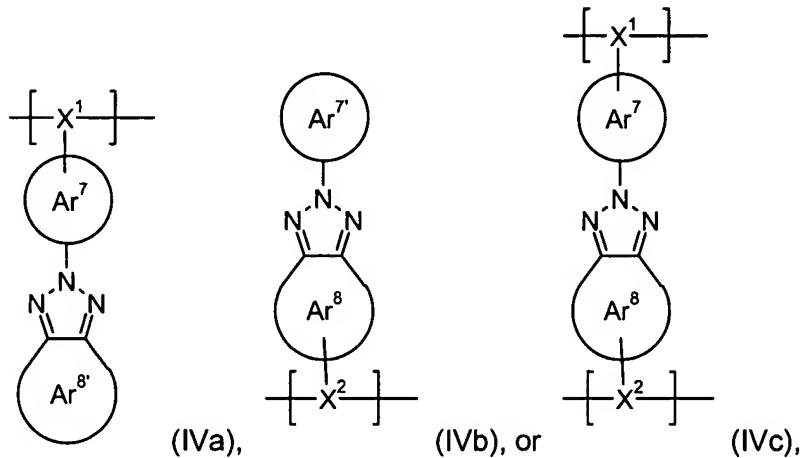
**14. (new):** A polymer according to claim 1, wherein Ar<sup>1</sup>, Ar<sup>2</sup>, Ar<sup>3</sup>, Ar<sup>4</sup>, Ar<sup>5</sup>, Ar<sup>6</sup>, Ar<sup>7</sup> and Ar<sup>8</sup> are independently of each other a C<sub>6</sub>-C<sub>30</sub>aryl group which can optionally be substituted, or a C<sub>2</sub>-C<sub>26</sub>heteroaryl group, which can optionally be substituted.

15. (new): A polymer according to claim 3, comprising a repeating unit of the formula



15. (new): A polymer according to claim 4, wherein p is 1, 2 or 3, q is 1, 2 or 3 and r is 0, 1, 2 or 3.

17. (new): A polymer according to claim 8, wherein the a repeating unit of the formula IV is selected from formula IVa, IVb and IVc



wherein

$Ar^7$ ,  $Ar^8$  and  $Ar^8'$  are independently of each other a  $C_6$ - $C_{30}$ aryl group, or a  $C_2$ - $C_{26}$ heteroaryl group, which can optionally be substituted.

18. (new): A monomer according to claim 13, wherein  $Ar^1$ ,  $Ar^2$ ,  $Ar^3$ ,  $Ar^4$ ,  $Ar^5$ ,  $Ar^6$ ,  $Ar^7$  and  $Ar^8$  are independently of each other a  $C_6$ - $C_{30}$ aryl group which can optionally be substituted, or a  $C_2$ - $C_{26}$ heteroaryl group, which can optionally be substituted.